



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PTR-24-L61-835-RA-TBOX.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]GEN from BALLABS TEST NO. 19535.0
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUE DATE] 05-OCT-2016
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO
 [LUMINAIRE] 2-56 LED 22"ARRAYS 2x4'RECESSED LUMINAIRE
 [MORE] WHITE REFLECTOR w/CENTER FROSTED RIBBED ACRYLIC LENS
 [MORE] EVERLINE #D10CC55UNVTZ-C @ 1030mA
 [LUMCAT] PTR-24-L61-835-RA-xxx-xxx
 [LAMPCAT] M10CC840D56N2A

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6059
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	48.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.92 ft
Luminous Width (90-270)	1.92 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2608	2816	2980
55	2264	2558	2806
65	1993	2462	2836
75	1508	2398	3039
85	892	3199	3754

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2287.749	2287.749	2287.749	2287.749	2287.749
5	2276.479	2276.479	2276.479	2277.504	2277.504
10	2237.547	2237.547	2239.596	2243.694	2245.743
15	2127.924	2130.997	2137.145	2146.365	2150.463
20	2085.919	2092.066	2107.434	2121.777	2125.875
25	1883.064	1892.285	1914.824	1934.290	1942.486
30	1738.607	1752.950	1781.637	1813.397	1823.642
35	1582.880	1602.346	1642.302	1681.234	1697.626
40	1419.982	1444.570	1498.870	1545.998	1563.414
45	1287.819	1320.604	1390.271	1449.693	1471.208
50	1098.283	1132.092	1208.931	1272.451	1299.089
55	906.698	941.532	1024.518	1098.283	1123.896
60	731.506	770.438	852.399	927.189	953.826
65	588.073	631.103	726.383	809.369	837.031
70	426.199	478.450	578.853	663.888	693.599
75	272.522	329.895	433.371	517.382	549.142
80	150.604	223.345	331.944	414.930	443.616
85	54.299	126.016	194.658	223.345	228.468
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	825.80	N.A.	13.60
0-30	1715.17	N.A.	28.30
0-40	2742.7	N.A.	45.30
0-60	4714.12	N.A.	77.80
0-80	5879.49	N.A.	97.00
0-90	6059.06	N.A.	100.00
10-90	5842.88	N.A.	96.40
20-40	1916.9	N.A.	31.60
20-50	2973.17	N.A.	49.10
40-70	2679.27	N.A.	44.20
60-80	1165.37	N.A.	19.20
70-80	457.52	N.A.	7.60
80-90	179.57	N.A.	3.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	6059.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	216.17
10-20	609.63
20-30	889.37
30-40	1027.53
40-50	1056.27
50-60	915.14
60-70	707.86
70-80	457.52
80-90	179.57
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

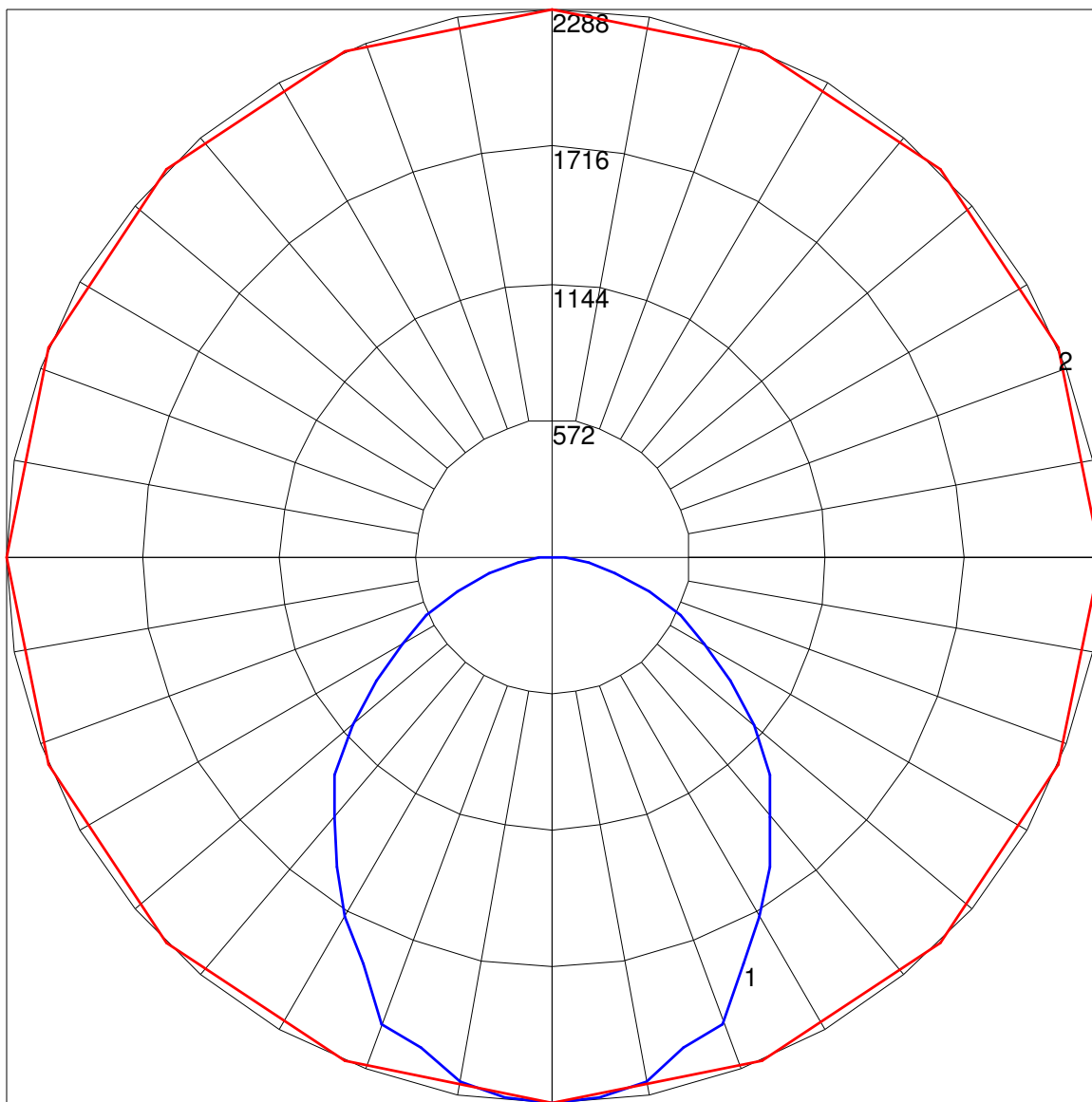
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	85	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	36	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

POLAR GRAPH



Maximum Candela = 2287.749 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)